Amendments to the Claims:

This listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended)   A method of creating a packet using a digital signal processor, the method comprising the steps of:

receiving call set-up information;

receiving call data;

creating a data portion of the packet using the call data;

creating one or more headers using the call data and the call set-up information wherein the one or more headers comprises a media access control header and wherein said media access control header is created using the call set-up information; and

creating the packet by attaching the one or more headers to the data portion of the packet.; and

wherein said step of creating said one or more headers is performed by said digital signal processor responsible for creating said data portion of the packet.

2.   (Original)   The method as recited in claim 1, further comprising the step of updating at least one of the headers based on a change in the call data or network topology.

3.   (Original)   The method as recited in claim 1, further comprising the step of transmitting the packet to a switch fabric.

4.   (Original)   The method as recited in claim 1, wherein the one or more headers comprise a real time transport protocol header.

5.   (Original)   The method as recited in claim 4, wherein the real time transport

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protocol header is determined by the call data.

6. (Original) The method as recited in claim 1, wherein the one or more headers comprise a user datagram protocol header.

7. (Original) The method as recited in claim 6, wherein the user datagram protocol header is determined by the call data.

8. (Original) The method as recited in claim 1, wherein the one or more headers comprise an Internet protocol header.

9. (Original) The method as recited in claim 8, wherein the Internet protocol header is created from the call set-up information.

10-11. (Cancelled)

12. (Original) The method as recited in claim 1, wherein the step of creating a data portion of the packet using the call data comprises the steps of:
   compressing the call data;
   creating one or more digital samples from the compressed call data; and
   creating the data portion of the packet using the one or more digital samples.

13. (Cancelled)

14. (Currently Amended) An apparatus comprising:
   an array of digital signal processors;
   each digital signal processor programmed to receive call set-up information, receive call data, create a data portion of a packet using the call data, create one or more headers using the call data and the call set-up information_wherein said one or more headers comprises a media access control header and wherein said media

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access control header is created using the call set-up information, and create the packet by attaching the one or more headers to the data portion of the packet.

15.   (Original)   The apparatus as recited in claim 14, wherein the one or more headers comprise a real time transport protocol header.

16.   (Original)   The apparatus as recited in claim 15, wherein the real time transport protocol header is determined by call data.

17.   (Original)   The apparatus as recited in claim 14, wherein the one or more headers comprise a user datagram protocol header.

18.   (Original)   The apparatus as recited in claim 17, wherein the user datagram protocol header is determined by the call data.

19.   (Original)   The apparatus as recited in claim 14, wherein the one or more headers comprise an Internet protocol header.

20.   (Original)   The apparatus as recited in claim 19, wherein the Internet protocol header is created from the call set-up information.

21-22.   (Cancelled)

23.   (Original)   The apparatus as recited in claim 14, wherein each digital signal processor creates a data portion of the packet using the call data by compressing the call data, creating one or more digital samples from the compressed call data, and creating the data portion of the packet using the one or more digital samples.

24.   (Cancelled)

25.   (Original)   The apparatus as recited in claim 14, wherein each digital signal processor is further programmed to update at least one of the headers based on a change in the call data or network topology.

26.   (Currently Amended)   A communications switch comprising:

one or more cards having ingress, signal processing and egress functions, wherein the signal processing function comprises one or more arrays of digital signal processors, each digital signal processor programmed to receive call set-up information, receive call data, create a data portion of a packet using the call data, create one or more headers using the call data and the call set-up information wherein the one or more headers comprise a media access control header and wherein the media access control header is created using the call set-up information, and create the packet by attaching the one or more headers to the data portion of the packet;

one or more control cards containing one or more processors;

a switch fabric communicably coupling the one or more cards and the control cards; and

a TDM bus communicably coupling the one or more cards and the control cards.

27.   (Original)   The communications switch as recited in claim 26, wherein one or more ingress cards communicably coupled to the switch fabric and the TDM bus provide the ingress function of the one or more cards.

28.   (Original)   The communications switch as recited in claim 26, wherein one or more egress cards communicably coupled to the switch fabric and the TDM bus provide the egress function of the one or more cards.

29.   (Original)   The communications switch as recited in claim 26, wherein one or more signal processing cards communicably coupled to the switch fabric and the TDM bus provide the signal processing function of the one or more cards.

30.   (Cancelled)

31.   (Original)   The communications switch as recited in claim 26, wherein the one or more headers comprise a real time transport protocol header.

32.   (Original)   The communications switch as recited in claim 31, wherein the real time transport protocol header is determined by the call data.

33.   (Original)   The communications switch as recited in claim 26, wherein the one or more headers comprise a user datagram protocol header.

34.   (Original)   The communications switch as recited in claim 33, wherein the user datagram protocol header is determined by the call data.

35.   (Original)   The communications switch as recited in claim 26, wherein the one or more headers comprise an Internet protocol header.

36.   (Original)   The communications switch as recited in claim 31, wherein the Internet protocol header is created from the call set-up information.

37-38.   (Cancelled)

39.   (Original)   The communications switch as recited in claim 26, wherein each digital signal processor creates a data portion of the packet using the call data by compressing the call data, creating one or more digital samples from the compressed call data, and creating the data portion of the packet using the one or more digital samples.

40.   (Original)   The communications switch as recited in claim 26, wherein each digital signal processor updates at least one of the headers based on a change in the call data or network topology.

41.   (New)   A method of creating a packet using a digital signal processor, the method comprising the steps of:

      receiving call set-up information;

      receiving call data;

      creating a data portion of the packet using the call data;

      creating one or more headers using the call data and the call set-up information, further comprising the steps of:

            requesting an overlay based on the call set-up information; and

            receiving and loading the overlay; and

      creating the packet by attaching the one or more headers to the data portion of the packet.

42. (New)   An apparatus comprising:

      an array of digital signal processors;

      each digital signal processor programmed to receive call set-up information, receive call data, create a data portion of a packet using the call data, create one or more headers using the call data and the call set-up information, wherein each digital signal processor is further programmed to request an overlay based on the call set-up information, and receive and load the overlay, and create the packet by attaching the one or more headers to the data portion of the packet.

43. (New)   A communications switch comprising:

      one or more cards having ingress, signal processing and egress functions, wherein the signal processing function comprises one or more arrays of digital signal processors, each digital signal processor programmed to receive call set-up information, receive call data, create a data portion of a packet using the call data, create one or

more headers using the call data and the call set-up information and create the packet
by attaching the one or more headers to the data portion of the packet wherein each
digital signal processor is further programmed to request an overlay based on the call
set-up information and receives and load the overlay;

one or more control cards containing one or more processors;

a switch fabric communicably coupling the one or more cards and the control
cards; and

a TDM bus communicably coupling the one or more cards and the control cards.